

Amendments to the Claims/Listing of Claims:

Please amend Claims 10 and 33-36. This **Listing of Claims** will replace all prior versions, and listings, of claims in the application.

1.-9. (Canceled)

10. (Currently amended) A eukaryotic expression vector comprising a recombinant nucleic acid sequence encoding thiaminase I from *N. gruberi*, **said recombinant nucleic acid sequence** as set forth in SEQ ID NO:3.

11-32. (Canceled)

33. (Currently amended) A vector comprising a recombinant nucleic acid sequence encoding thiaminase I from *N. gruberi*, **said recombinant nucleic acid sequence** as set forth in SEQ ID NO:3.

34. (Currently amended) A purified, enriched, or isolated nucleic acid sequence **encoding thiaminase I from *N. gruberi***, wherein said nucleic acid sequence is at least 90% identical to ~~an equal length sequence~~ **a portion** at least 200 nucleotides in length of the *N. gruberi* thiaminase sequence as set forth in SEQ ID NO[[.]]:3.

35. (Currently amended) The nucleic acid sequence of claim 34, wherein said nucleic acid sequence comprises a sequence at least 95% identical to the sequence of SEQ ID NO[[.]]:3.

36. (Previously presented) A bacterium **transfected with a vector, said bacterium** selected from the group consisting of avirulent *C. sporogenes*, avirulent *C. beijerinckii*, and attenuated, non-pathogenic *S. typhimurium*, **comprising, said vector comprising** a recombinant nucleic acid sequence encoding thiaminase I from *N. gruberi* as set forth in SEQ ID NO:3, **and said recombinant nucleic acid sequence operably linked to a promoter**.

37. (Previously presented) The bacterium of claim 36, wherein said bacterium is avirulent *C. sporogenes*.

38. (Previously presented) The bacterium of claim 36, wherein said bacterium is avirulent *C. beijerinckii*.

39. (Previously presented) The bacterium of claim 36, wherein said bacterium attenuated, non-pathogenic *S. typhimurium*.